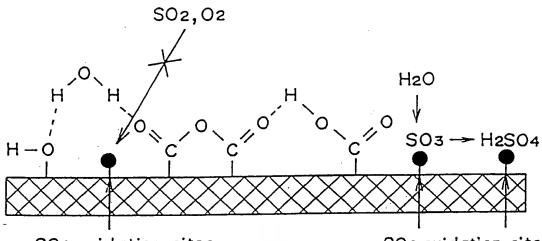


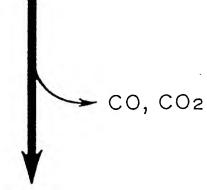
FIG. 2

() Hydrophilic surface



SO₂ oxidation sites

SO₂ oxidation sites



(b) Hydrophobic surface

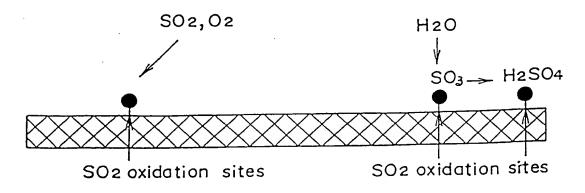
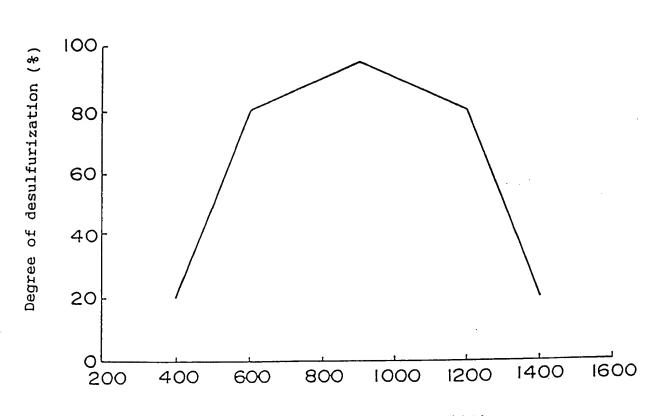
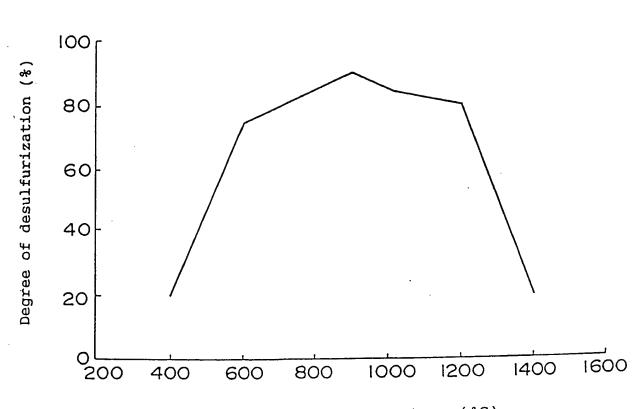


FIG. 3

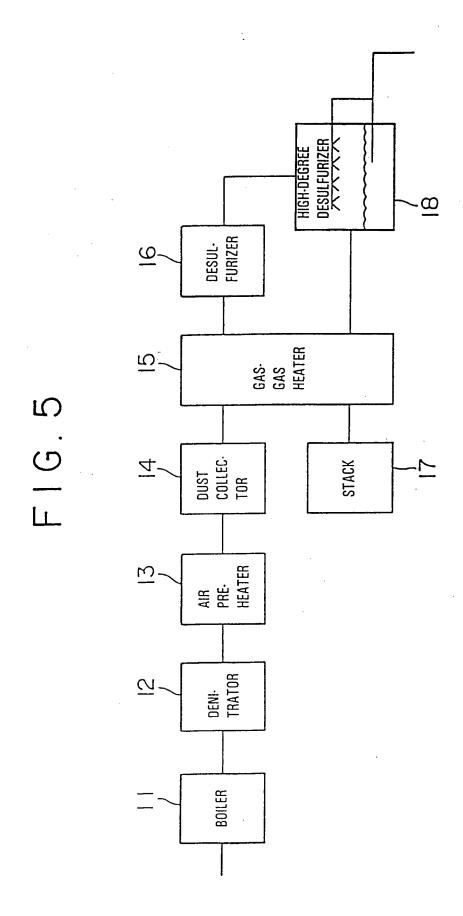


Heat-treating temperature (°C)

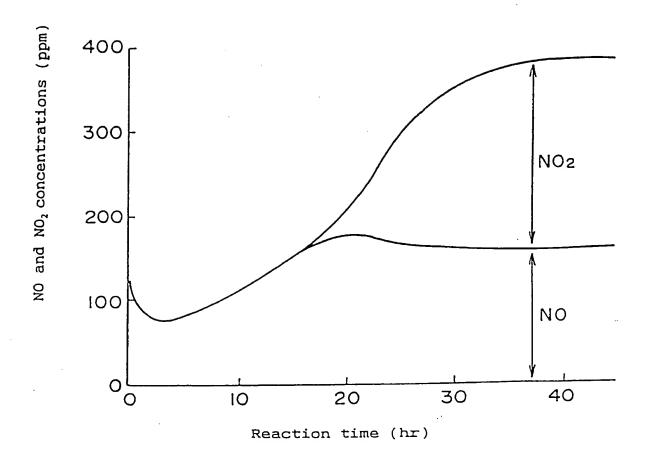
F1G.4



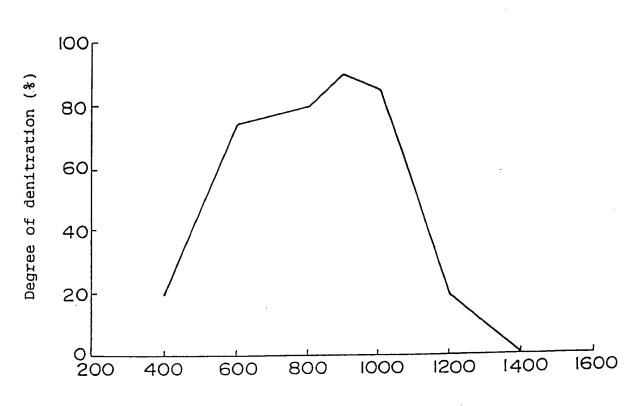
Heat-treating temperature (°C)



F1G.6

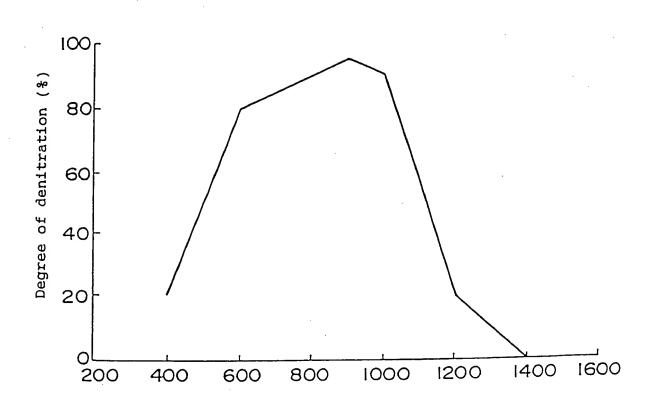


F1G.7



Heat-treating temperature (°C)

F1G.8



Heat-treating temperature (°C)

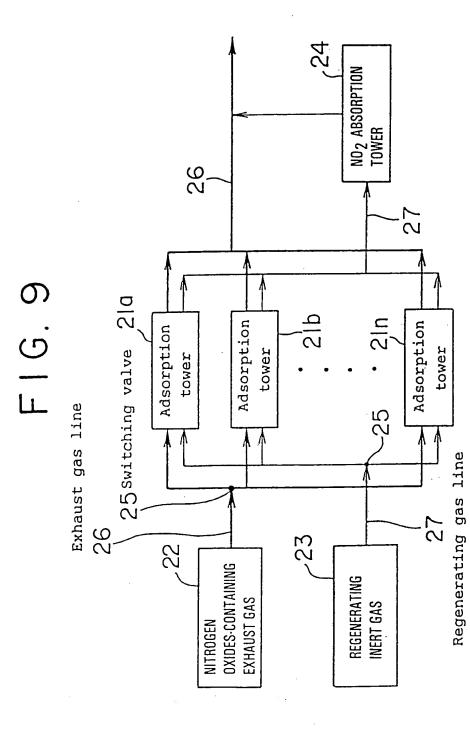


FIG.10

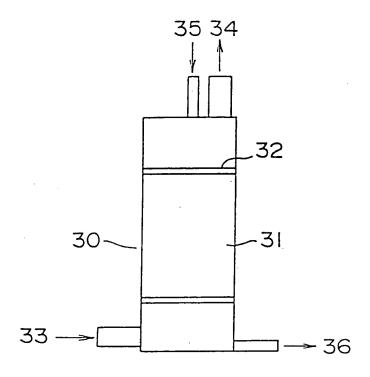
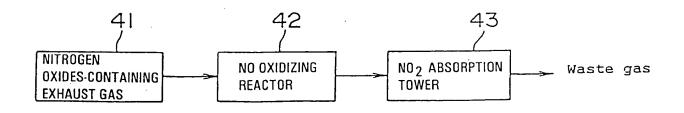
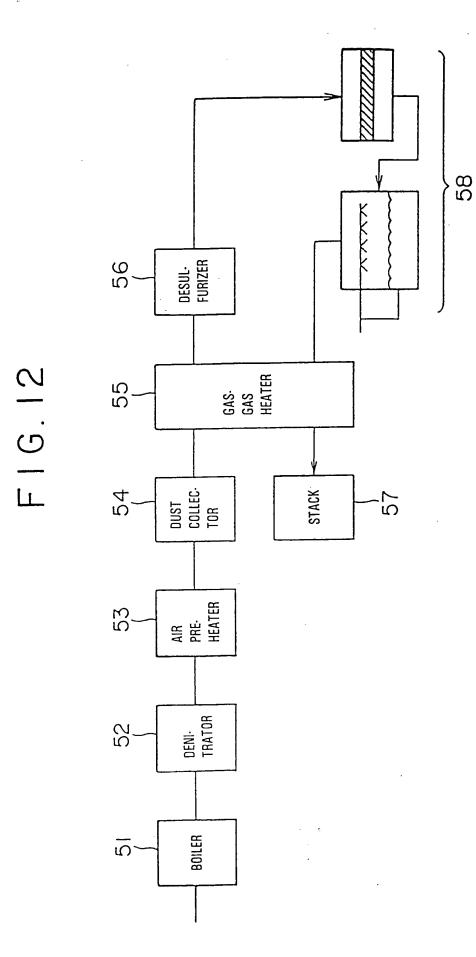


FIG.II





High-degree denitrator

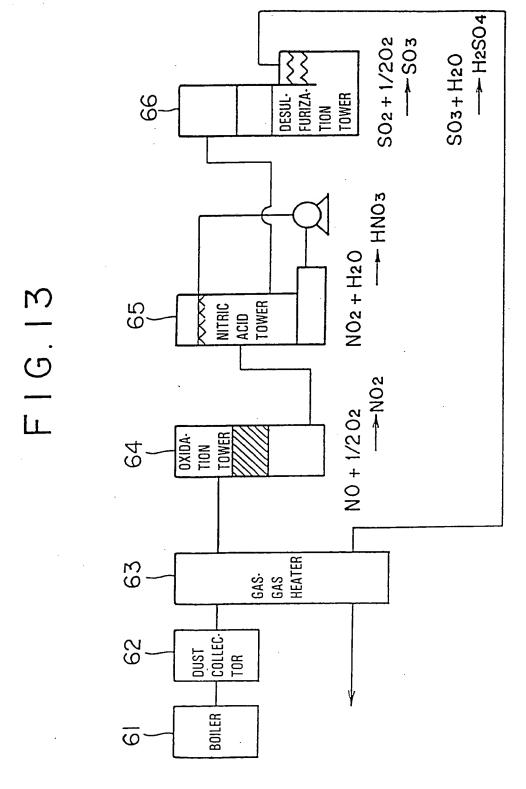
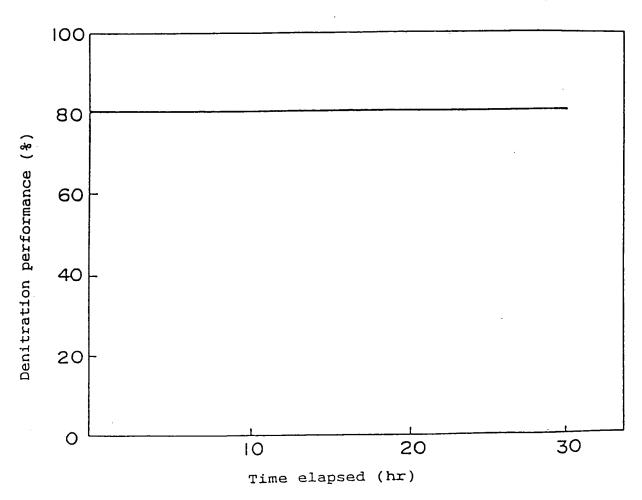


FIG. 14

Performance on the Oxidation of NO to NO2



(Conditions)

Temperature of the gas to be treated: 25°C

Composition of the gas to be treated:

NO: 380 ppm

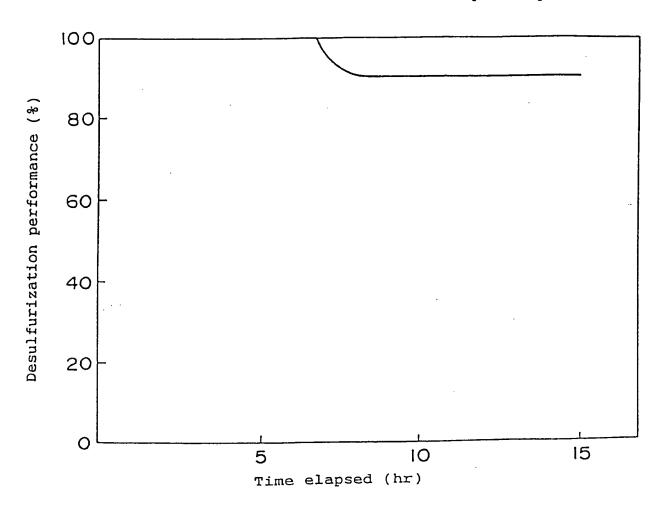
O₂: 4.0%

H₂O: Relative humidity 60%

 $W/F = 1 \times 10^{-2} \text{ g·min/ml}$

F1G.15

Performance on the Oxidation of SO, to SO,



(Conditions)

Temperature of the gas to be treated: 30°C

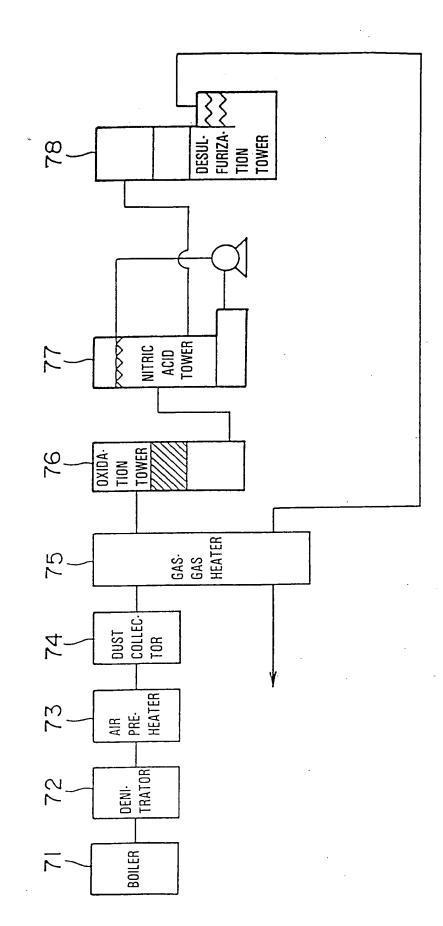
Composition of the gas to be treated:

SO₂: 500 ppm 02: 5 vol.% 10 vol.% H₂O:

 $W/F = 5.0 \times 10^{-4} \text{ g·min/ml (W/F is a value obtained}$ by dividing the amount of active carbon fiber packed

by the flow rate of the gas to be treated.)

F16.16



DESUL. FURIZA-TION TOWER 83 COOL-ING TOWER 88 GAS. GAS HEATER 85 DUST COLLEC. TOR 84 DENI-TRATION TOWER 86 NITRIC ACID TOWER AIR PRE-HEATER 83 87~ DENI-TRATOR 82 BOILER $\overline{\omega}$

F16.17

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F16.18

